

REMARKS

In response to the outstanding Office Action dated March 18, 2009, applicant requests a three month extension of time and encloses the fee of \$555 to cover same for a small entity. If any additional fees are due or owing, please charge Deposit Account No. 08-2455 the deficiency.

Applicant has amended claim 1 to address both the §112 and §§102/103 issues where language clarification is fully supported by page 5, first paragraph of the specification. Likewise, claim 2 has been amended and support for the changes is in the specification at page 5, second and fourth paragraphs. Further, claim 7 has been amended and such support is in the specification on page 5, second paragraph. The amendments address the §112 and §§102/103 issues.

In the Office Action, the Examiner cites three documents of interest. Yew is the basis of the refusal of original claims 1-4 and 10 under 35 USC §102(a) and §102(e) as being fully anticipated.

It is an objective of the invention to provide a processing device for adhesive connections of sheets in the bookbinding field, especially sheets made of high quality, stiff paper and which are difficult to bond.

According to the present invention, this objective is accomplished by perforating the sheets of the book block, folding the “single” sheets of the book block along the folding line, assembling the single sheets to a book block and applying adhesive onto the folding edges of the sheets, wherein the folded sheets are associated to each other by the adhesive between recesses of one perforation line and the corresponding recesses of the following perforation line.

By perforation and folding of the sheets, two pages are generated having on the folded edges, meander-type border lines, which are connected along the folding line (see FIG. 9). In addition to that, the meander-type border lines are staggered longitudinally from each other by the length of one perforating tooth in a longitudinal direction relative to each other along the folding edge. As the meander-type border line of the pages of two adjacent sheets have the same course and can be connected via the adhesive, a sort of “interlocking” between two adjacent sheets is achieved resulting in a very strong adhesive connection (see enclosed exemplary diagrams).

Contrary to the disclosure of the Yew publication, such publication discloses a different way of binding a book block. The perforated foldable signature 8 (FIG. 3A) shows perforations 82 on both sides of the spine 81. The single perforations 82 are spaced by ties 83 which are necessary for the binding process as disclosed in paragraph [0042]. An essential difference as compared to the present claimed invention is the different sequence of assembling and folding. According to Yew, the sheets are assembled first and later are folded (paragraphs [0044] and [0045] and FIGS. 3B and 3C). Unlike the claimed present invention, this is taught in

a reverse order. Furthermore, Yew teaches flaps 84 protruding of the folding line which are passed through the adhesive and mainly adhere the sheets together.

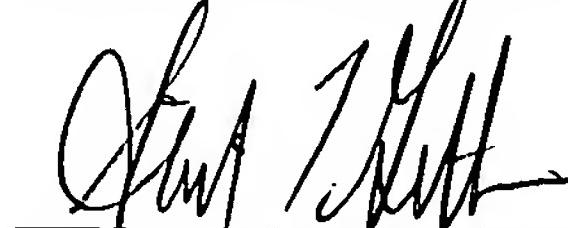
According to the claimed present invention, the adhesive is located between recesses of one perforation line and the corresponding recesses of the following perforation line, which causes an evenly adhering of the assembled double sheets. Therefore, the features of claim 1, "the sheets folded between the perforation lines and arranged joining each other are provided with an adhesive applied on surfaces associate to each other and produced by double perforation between recesses of the one perforation line and recesses of the other perforation line" are not disclosed, suggested or contemplated by Yew.

Please note that claims 2-18 all depend upon claim 1 so that all rejections concerning these claims are no longer applicable in view of the fact that Yew does not teach nor anticipate nor suggest the claim as now amended.

Reconsideration of the present refusal is requested.

Respectfully submitted,

Date: 9/18/09

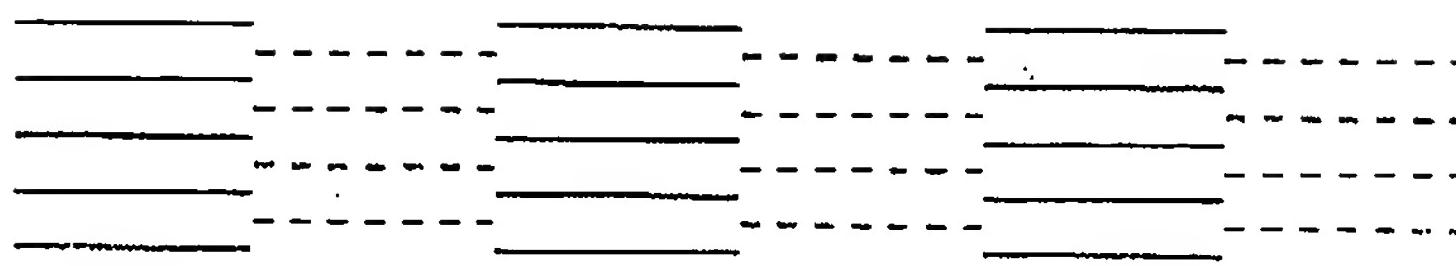


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back view



Perspective view

